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482	347/40.ccls. and (error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 or US-(mon-discharg\$3))	IBM TDB USPAT; US-PGPUB;	2004/02/11 13:45
662	347/\$.ccls. and ((error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 or USE (mon-discharg\$3) or break or broken) with (check\$3 or test\$3 or identify\$3 or USE detect\$3), with (fix\$3 or correct\$3)	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/11 13:43
25323	. and (error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 or arg\$3)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/11 13:17
5067	DEF 1BN 1827/63-67,99-104.ccls. and (error\$1 or \$3function\$3 or defect\$3 or judg\$5 or USF Clog\$4 or (mon-discharg\$3)) EPC DEFE	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/11 13:32
 w 4 0 0	"6203140" "6318828").PN. "5359355" "5675365" "5796418").PN.	IBM TDB USPAT USPAT USPAT USPAT	2004/02/11 13:17 2004/02/11 13:19 2004/02/11 13:20 2004/02/11 13:20
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ത	347/40.ccls. and (error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 or USE (mon-discharg\$3)).ti.	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/02/11 13:32
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295	DER 122/100.ccls. and (error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 or USI (mon-discharg\$3)) with (dispens\$3 or nozzle or pin) EPC DER 125	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/02/11 13:42

ı	671	422/50-104.ccls. and (error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 cor (mon-discharg\$3)) with (dispens\$3 or nozzle or pin)	USPAT; US-PGPUB; EPO; JPO;	2004/02/11 13:45
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l	664	347/\$.ccls. and ((error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or break or broken) with (check\$3 or test\$3 or identify\$3 or defect\$3) with (fix\$3 or correct\$3)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/11 13:43
ı	Ν.	((error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 or or break or broken) with (check\$3 or test\$3 or identify\$3 or (fix\$3 or correct\$3)) not (347/\$.ccls. and ((error\$1 or	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/02/11 13:43
ı	482	defect\$3 or judg\$5 or clog\$4 or (mon-discharg\$3) or break or leck\$3 or test\$3 or identify\$3 or detect\$3)) with (fix\$3 or (error\$1 or \$3function\$3 or defect\$3 or judg\$5 or clog\$4 or	DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/02/11 13:45
ı	89	cor\$1 or malfunction\$3 or disfunction\$3 or defect\$3	EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB;	2004/02/11 13:51
ı	0	pin) .ccls. and (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3	EPO; JPO; DERWENT; IBM TDB USOČR	2004/02/11 13:51
ı	m	195 or clogs4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or or pin) cols. and (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or or clog\$4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or	USOCR	2004/02/11 13:52
ı	2348	nozzle or pin) 347/\$.ccls. and (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or nozzle or pin)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/02/11 13:52
ı	24	347/\$.ccls. and (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or nozzle or pin).ti.	IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/02/11 15:41
1	0	347/\$.ccls. and (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or nozzle or pin).ti.	IBM TDB USOCR	2004/02/11 13:55

judg\$5 or clog\$4 nozzle or pin) 4 ("5124720" "55 0 6565180.URPN. 2 ("6174039" "63 1 6478400.URPN. 347/19.ccls. and judg\$5 or clog\$4 nozzle or pin) 67 347/14.ccls. and judg\$5 or clog\$4 nozzle or pin) 1 4498642".PN. 5 946011.URPN. 4 ("4498088" "53 6 6203140.URPN. 4 ("5359355") or 196 347/\$.ccls. and	or clog\$4 or (non-discharg\$3) or non-eject\$3) with (dispens\$3 or or pin) ccls. and (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or or clog\$4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or or pin) 20" "5534895" "6217144" "6447091").PN. URPN. 39" "6334660").PN.	US-PGPUB; EPO, JPO; DERWENT; IBM_TDB USPÄT; US-PGPUB;	† † † † † † † † † † † † † † † † † † †)) •
10221e 10233 347/19. 1049455 1040455 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040465 1040466 1040465 1040465 1040465 1040465 1040465 1040465 10404666 1040466 1040466 1040466 1040466 1040466 1040466 10404666 10404	and (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 g\$4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or) 5534895" "6217144" "6447091").PN.	EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB;		
103 347/19. 10 dq\$5 10 dq\$5 10 6565180 2 ("61740 0 347/19. 10 dq\$5 10	and (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 g\$4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or) "5534895" "6217144" "6447091").PN.	IBM TDB USPAT; US-PGPUB;		
0.03595 1.04985 1.0478400 1.0478400 1.0478400 1.0478400 1.0478400 1.0478400 1.047864 1.047864 1.047864 1.047864 1.047864 1.047864 1.047864 1.047864 1.047864 1.047864 1.0477/14.	and (ellott of Mallunctions) of alsiunctions, or defects, g\$4 or (non-discharg\$3) or non-eject\$3) near (dispens\$3 or) "5534895" "6217144" "6447091").PN.	US-PGPUB;		
400110 6 0 110404 9) "5534895" "6217144" "6447091") "6334660").PN.	000	2004/02/11 1	14:14
40010 6 0 10404 9	"5534895" "6217144" "6447091") "6334660").PN.	DERWENT;		
0 0 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	"6334660").PN.	IBM TDB	1 11/20/11 1	٠. م
0 1 2 4 2 4 9 6 9 9	"6334660").	USPAT	2004/02/11 1	13.59
0 0 17 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2	USPAT	2004/02/11 1	4:01
0 0 12 42 4 9		USPAT	2004/02/11 1	4:02
6 0 H 2 4 4 4 6 6	and (error\$1 or malfunction\$3 or disfunction\$3 or defect	USOCR	2004/02/11 1	4:14
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1 1 2 2 2 2 2 3 4 7 / 14 . 2 2 2 2 3 4 7 / 14 . 3 2 4 6 0 1 1 4 1 9 8 6 4 6 . 3 5 9 4 6 0 1 4 9 8 0 6 6 3 4 7 / \$. c	(error\$1 or malfunction\$3 or disfunc	USPAT;	2004/02/11 14	4:18
0 347/14.ccl judg\$5 or nozzle or 1 "4198642". 5 5946011.UF 6 (14498088" 6 (15359355 (1.5359355 (1.5359355	or (non-dischargks) or non-ejectks) near	US-PGPUB; EPO; JPO; DERWENT;		
1 "4198642". 5 5946011.UF 4 ("4498088" 6203140.UF 4 (("5359355	s. and (errors1 or malfunctions3 or disfunctions3 or defects3 or cloq\$4 or (non-discharg\$3) or non-elect\$3) near (dispens\$3 or	USOCR	2004/02/11 14	4:18
0 170404 0				
474 0		USPAT	2004/02/11 1:	5:02
N 4 0	"5359355" "5675365" "5796418").PN.	USPAT	2004/02/11 1	15:08
r 0 0		USPAT	2004/02/11 1	60:5
96	0.000	USPAT; US-PGPUB;	2004/02/11 I	95:0
96		EFO; JPO; DERWENT;		
	and (bubble).ti.	USPAT;	2004/02/11 1	16:22
_		US-PGPUB; EPO; JPO;		
1054 347/\$.ccls.	and (multipass or multi-pass or (multi adj pass) or interleav\$3)	IBM TDB USPAT;	2004/02/11 16	16:25
		US-PGPUB; EPO; JPO;		
200	() () () () () () () () () ()	DERWENT; IBM_TDB		(
and (error	or malfunction\$3	USPAT; US-PGPUB;	Z004/0Z/11 16	16:33
Clogs4 or (r	non-discharg\$3) or non-eject\$3)	EPO; JPO; DERWENT;		

indultipass or multi-pass or (multi adj pass) or interleav\$3) USCOT (mon-discharg\$3) or non-eject\$3) is and (multipass or multi-pass or (multi adj pass) or interleav\$3) USCDT (mon-discharg\$3) or non-eject\$3) is and (multipass or multi-pass or (multi adj pass) or interleav\$3) USPA (mon-discharg\$3) or non-fir\$3 or nonfir\$3 or (multi-pass or multi-pass or (multi-pass) or interleav\$3) USPA (mon-discharg\$3) or non-eject\$3 or disfunction\$3 or defect\$3 or judg\$5 or DERWI (malparform\$3 or disfunction\$3 or defect\$3 or judg\$5 or USPA (mon-discharg\$3) or non-eject\$3 or lone-eject\$3 or non-eject\$3 or non-eject\$3 or lone-eject\$3 or lone-eject\$3 or non-eject\$3 or	1	164	347/\$.ccls. and (multipass or same (error\$1 or malfunction\$3	USPAT; US-PGPUB;	2004/02/11 17:25
0 337%-ccts, and (multipless or multipless or multipless) 10 437%-ccts, and (multipless or multipless) 11 50 47%-ccls, and (multipless or multipless) 12 547%-ccls, and (multipless or multipless or multipless) 13 647%-ccls, and (multipless or multipless or multipless or interleaves) 14 647%-ccls, and (multipless or multipless or multipless or interleaves) 15 647%-ccls, and (multipless or multipless or multipless or interleaves) 16 647%-ccls, and (multipless or multipless or multipless or interleaves) 17 647%-ccls, and (multipless or multipless or interleaves) 18 647%-ccls, and (multipless or multipless or interleaves) 18 647%-ccls, and (multipless or multipless or interleaves) 19 647%-ccls, and (multipless or multipless) 10 647%-ccls, and (multipless or multipless or interleaves) 10 647%-ccls, and (multipless or multipless or interleaves) 10 647%-ccls, and (multipless or multipless or interleaves) 11 6 6465807-ccls, and (multipless or multipless or interleaves) 12 647%-ccls, and (multipless or multipless or interleaves) 13 647%-ccls, and (multipless or multipless or interleaves) 14 64658827-ccls, and (multipless or multipless or interleaves) 15 647%-ccls, and (multipless or multipless or interleaves) 16 646697-ccls, and (multipless or interleaves) 17 647%-ccls, and (multipless or interleaves) 18 647%-ccls, and (multipless or inordial and interleaves) 18 647%-ccls, and (multipless or interle			Cloyst of (non-dischargss) or	EPO; JPO; DERWENT; IBM TDB	
33 347/8.ccls. and (multipass or multi-pass or (multi adj pass) or interleave3) same (fails3 or non-firs3 or nonfire5 or (non adj firs3)) 179 347/8.ccls. and (multipass or multi-pass or (multi adj pass) or interleave3) same (errors1 or malfunction53 or disfunction53 or disfects3 or judg55 or or (non adj firs3)) same (errors1 or malfunction53 or disfunction53 or disfects3 or pudg55 or (non adj firs3)) same (errors1 or malfunction53 or disfunction53 or disfects3 or mon-firs5 or nonfirs5 or (non adj firs3)) or non-eject93 or fail53 or non-firs5 or nonfirs5 or (non adj firs3)) 8855270.did. 442 347/40.9.19,14,12.ccls. and ((malperform53 or errors1 or malfunction53 or disference) or (non adj firs3)) or non-eject93 or fail53 or non-firs3 or nonfirs3 or (non adj firs3)) near (orifice or nozzle or eject0); ("4963892" "5325112" "5621443" "5640183" "5784078" "6273559").PN. ("4963892" "5325112" "5621443" "5640183" "5784078" "6273559").PN. ("496880.7PRN. "5325112" "5621443" "5640183" "5784078" "6273559").PN. ("496880.7PRN. "4631543" "4672432" "4744833").PN. ("458860.7PRN. "4631543" "4672432" "4748453").PN. ("4774510 or nozzle or ejector)) ("477510 or norezle or ejector)) ("4777510 or norezle or ejector))	ı	0	347/\$.ccls. and (multipass or multi-pass or (multi adj pass) or same (error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or cloq\$4 or (non-discharg\$3) or non-elect\$3	USOCR	2004/02/11 17:17
2 347/8.ccls. and (multipass or multi-pass or (multi adj pass) or interleav(3) same (falls) or non-first or nonfits) or nonfits) or nonfits) 179 347/5.ccls. and (multipass or multi-pass or funt! adj pass) or interleav(3) same (errors) or multipass or multi-pass or interleav(3) same (errors) or multipass or multi-pass or interleav(3) clog4 or (non-discharg3) or non-eject(3) or falls) or non-first or nonfits) or (non adj first)) 5 855270.did. 442 347/40.9,19,14,12.ccls. and ((malperform(3) or errors) or malfunction(3) or disfunction(3) or disference or nozzle or eject(2)) non-eject(3) or falls) or non-first or non-discharg(3)) or non-eject(3) or falls) or non-first or non-discharg(3) or falls) 6 ("4063882" "5255112" "5621443" "5640183" "5784078" "6273559").PN. 6 (457807.URPN. 6 (4528576" "461543" "4672432" "4746935" "4748453").PN. 6 (4588576" "461543" "5621443" "5640183" "5784078" "6273559").PN. 6 (4588576" "461543" "4672432" "4746935" "4748453").PN. 6 (47787.URPN. 6 (47787.URPN. 6 (47787.URPN. "50072112" "5621443" "5640183" "5784078" "6273559").PN. 7 (16.28576" "4323512" "4672432" "4746935" "4748453") or non-first or effect(2) 8 (47787.URPN. "4672432" "4746935" "4748453") or non-first or effect(2) 9 ("477450" "4425352" "465382" "50572235" "5122252	ı	35	or multi-pass, or (multi adj pass) or nonfirs or (non adi firs)	USPAT;	2004/02/11 17:23
2 337/8.ccls, and (multipass or multi-pass or (multi adj pass) or interleav%3) same (fails3 or non-firs%) or (mon adj firs%) same (errors%) or non-firs%) or (mon adj firs%) same (errors%) or malfunction%) or distunction%) or defect%3 or indg% or same (errors%) or malfunction%) or distunction% or defect%3 or indg% or choosed or (non-discharg%) or non-eject%) or fails% or non-fits% or nonfirs% or (non adj firs%) setting or or defect%) or jud%\$ or clog44 or (non-discharg%) or non-eject%3 or fails% or non-fit% or nonfirs% or (non-discharg%) or non-eject%3 or fails% or non-fit% or nonfirs% or (non-discharg%) or non-eject%3 or fails% or non-fit% or nonfirs% or (non-discharg%) or non-eject%3 or fails% or non-fit%3 or nonfirs% or (non-discharg%) or non-eject%3 or fails% or non-fit%3 or nonfirs% or (non-discharg%). PN. ("4963882") PN. ("4963882") PN. ("4963882") PN. ("4963882") PN. ("4963882") PN. ("477430" "4631443" "4672432" "4746935" "6273559"). PN. defended by 19,142 ccls, and ((malperform%) or erors% or malfunction% or non-eject%3 or fails% or non-fit%3 or non-eject%3 or fails% or non-eject%3 or fails% or non-eject% or non				EPO; JPO; DERWENT;	
179 347/8.ccls. and (multipass or multipass or (multi add) pass) or interleave3) same (errors) or maltunction53 or distunction33 or defect53 or judg55 or clog44 or (non adj fir53)) 5 855270.did. 6 855270.did. 6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. 118 ("4963882").PN. 6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. 6 ("4091390" "6335112" "5621443" "5640183" "5784078" "6273559").PN. 7 ("4963882").PN. 8 ("4963882").PN. 9 (457807.URPN. 10 (44774300 "631543" "4672432" "4746955") "6273559").PN. 118 ("4963882").PN. 119 ("4963882").PN. 110 ("4963882").PN. 110 ("4963882").PN. 111 ("4963882").PN. 112 ("4963882").PN. 113 ("4963882").PN. 114 ("4963882").PN. 115 ("4963882").PN. 116 ("4963882").PN. 117 ("4963882").PN. 118 ("4963882").PN. 119 ("4963882").PN. 110 ("4764300").PN.	1	7	cols. and (multipass or multi-pass or (multi adj pass) or	USOCR	2004/02/11 17:23
1008 (100 adj firs3)) 5 855270.did. 6 855270.did. 6 855270.did. 7 855270.did. 7 855270.did. 8 855270.did. 9 855270	ı	179	347/5.ccls. and (multipass or multi-pass or (multi ad) pass) or interleaves	USPAT;	2004/02/11 17:26
### \$25270.did. ### \$25270.did. ### \$27740,9,19,14,12.ccls. and ((malperform\$3 or error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3 or fail\$3 or non-fir\$3 or nonfir\$3 or (non adj fir\$3]) near (orifice or nozzle or ejector)) #### \$4963882" "5325112" "5621443" "5640183" "5784078" "6273559").PN. #### \$4963882" "5325112" "5621443" "5640183" "5784078" "6273559").PN. #### \$4963882" "462897" "4672432" "4746935" "4748453").PN. #### \$4963882.URPN ### \$4963882.URPN #### \$496382.URPN #### \$496382.URPN #### \$4963882.URPN #### \$496382.URPN ##			or (non-discharg\$3) or non-eject\$3 or fail\$3 or non-fir\$3 adj fir\$3))	EPO; JPO; DERWENT;	
442 347/40,9,19,14,12.ccls. and ((malperform\$3 or error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-fit\$3 or fail\$3 or non-fit\$3 or nonfit\$3 or (non adj fit\$3) near (orifice or nozzle or ejector)) 6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. 118 "4963882", PN. 6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. 6 ("4091390" "5325112" "5621443" "5640183" "4748453").PN. 6 ("4091390" "5325112" "621443" "4640183" "6273559").PN. 7 ("4528576" "4631543" "4672432" "4746935" "4748453").PN. 8 ("4774500 P) 14,12.ccls. and ((malperform\$3 or error\$1 or malfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-fir\$3 or non-fir\$4 UNDNUMBN. 7 (*477450" "4929324" "4963882" "5057852" "51929229" 1747450" "5192850" "519284 URDNUMBN.	1	Ŋ	55270.di	IBM TDB	6
442 347/40, 9, 19, 14, 12.ccls. and ((malperform\$3 or error\$1 or malfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or usppy non-eject\$3 or fail\$3 or non-fir\$3 or nonfir\$3 or (non adj fir\$3)) near [BF0, orifice or noz2le or ejector)) 6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. USPPAY 118 "4963882" "5325112" "5621443" "5640183" "5784078" "6273559").PN. USPPAY 2 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. USPPAY 6 ("4091390" "5325112" "4672432" "4746935" "4748453").PN. USPPAY 6 ("4091390" "5325112" "6621443" "5640183" "5784078" "6273559").PN. USPPAY 7 ("4528576" "4631543" "4672432" "4746935" "4746433").PN. USPPAY 8 ("4528578" "4631543" "4672432" "4746935" "4748453").PN. USPPAY 9 (465382.mts) or defect\$3 or idadperform\$3 or error\$1 or malfunction\$3 or uspay 10 (1156 or noz2le or ejector)).PN. USPAY 10 (1156 or noz2le or ejector)).PN. USPAY 11 (118 mts) or uspay "4953882" "4963882" "5072235" "5192929" USPPAY 11 (118 mts) or uspay "5198054" "4963882" "5072235" "5072235" "5192929" USPPAY 11 (118 mts) or uspay "5198054" "5198054" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980584" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "51980582" "5105852282" "519805				US-PGPUB;	2004/02/12 10:18
442 347/40,9,19,14,12.ccls. and ([malperform\$3] or error\$1 or malfunction\$3] or disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3] or [B-PO] non-eject\$3 or fali\$3 or non-fir\$3 or nonfir\$3 or nonfir\$3 or [B-PO] (Orifice or nozale or eject\$3] or nonfir\$3 or nonfir\$3 or [B-PO] (Orifice or nozale or eject\$3] "5640183" "5784078" "6273559").PN. (BPM_1 "4963882" "5325112" "5621443" "5640183" "5784078" "6273559").PN. (BPM_2 BPM_3				EPO; JPO; DERWENT;	
December	ı	442	and ((malperform\$3 or error\$1 or malfunction\$3 \$3 or judg\$5 or clog\$4 or (non-discharg\$3) or	ISM IDS USPAT; US-PGPUB;	2004/02/12 10:46
6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. USPAN			or railè3 or non-fir\$3 or nonfir\$3 or (non adj fir\$3)) nea nozzle or ejector))	EPO; JPO; DERWENT;	
2 ("4963882").PN. 6 (457807.URPN. 6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. D (457807.URPN. 6 ("4091390" "4631543" "4672432" "4746935" "4748453").PN. D (4528576" "4631543" "4672432" "4746935" "6273559").PN. D (495882.URPN. 0 4963882.URPN. 0 347/40,9,19,14,12.ccls. and ((malperform\$3 or error\$1 or malfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or USPAN (USPAN Corfice or nozzle or ejector)) 0 (crifice or nozzle or ejector) 0 (47774530" "4929324" "4963882" "5057852" "5192959" USPAN CASSER URPN. 24 5581284.URPN.	1 1	118	"4091390" "5325112" "5621443" "5640183" "5784078" 4963882"	IBM TDB USPAT USPAT:	2004/02/12 10:24
2 ("4963882").PN. ("4963882").PN. ("467807.URPN. ("467807.U				US-PGPUB; EPO; JPO; DERWENT;	
0 6457807.URPN. 6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. D 6457807.URPN. 6 ("4091390" "5325112" "4672432" "4746935" "4748453").PN. D 6457807.URPN. 5 ("4528576" "4631543" "4672432" "4746935" "4748453").PN. 90 4963882.URPN. 0 347/40,9,19,14,12.ccls. and ((Malperform\$3 or error\$1 or malfunction\$3 or USPAT disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3 or fail\$3 or non-fir\$3 or nonfir\$3 or (non-discharg\$3) or (orifice or noz1le or ejector)) 9 ("49274530" "4929324" "4929324" "5057852" "5072235" "5192929" USPAT "18PAT"	ı	0	("'''	IBM TDB	•
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0 6457807.URPN. 6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. 0 6457807.URPN. 5 ("4528576" "4631543" "4672432" "4746935" "4748453").PN. 90 4963882.URPN. 0 347/40,9,19,14,12.ccls. and ((malperform\$3 or error\$1 or malfunction\$3 or disfunction\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3 or fail\$3 or non-fir\$3 or nonfir\$3 or (non adj fir\$3) near (orifice or nozzle or ejector)) 9 ("4774530" "4929324" "4963882" "5057852" "5192959" "5192959" "5192959" "519284.URPN.				EPO; JPO; DERWENT;	
6 ("4091390" "5325112" "5621443" "5640183" "5784078" "6273559").PN. 5 ("4528576" "4631543" "4672432" "4746935" "4748453").PN. 90 4963882.URPN. 0 347/40,9,19,14,12.ccls. and ((malperform\$\$\frac{4}{3}\$) or error\$\$\frac{4}{3}\$] or fail\$\$\frac{4}{3}\$ or fail\$\$\frac{4}{3}\$ or fail\$\$\frac{4}{3}\$ or fail\$\$\frac{4}{3}\$ or nonfir\$\$\frac{4}{3}\$ or fail\$\$\frac{4}{3}\$ or nonfir\$\$\frac{4}{3}\$ or fail\$\$\frac{4}{3}\$ or fail\$\$\frac{4}{3}\$ or nonfir\$\$\frac{4}{3}\$ or "6772235" "5192959" 15192959" "5192959" "519284.URPN.	1	0		IBM TDB USPAT	2004/02/12 10:28
5 ("4528576" "4631543" "4672432" "4746935" "4748453").PN. 90 4963882.URPN. 0 347/40,9,19,14,12.ccls. and ((malperform\$3 or error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3 or fail\$3 or non-fir\$3 or nonfir\$3 or (non adj fir\$3) near (orifice or nozzle or ejector)) 9 ("4774530" "4929324" "4963882" "5057852" "5072235" "5192959" "5192959" "5192959" "5192959"	1 1	φ ₀	"5621443" "5640183" "5784078" "6273559")	USPAT	2004/02/12 10:28
90 436382.UKFN. 0 347/40,9,19,14,12.ccls. and ((malperform\$3 or error\$1 or malfunction\$3 or disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3 or fail\$3 or non-fir\$3 or nonfir\$3 or (non adj fir\$3) near (orifice or nozzle or ejector)) 9 ("4774530" "4929324" "4963882" "5057852" "5072235" "5192959" "5192959" "519284.URPN.	1 1	200	"4672432" "4746935" "4748453")	USPAT	2004/02/12 10:28
disfunction\$3 or defect\$3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-eject\$3 or fail\$3 or non-fir\$3 or nonfir\$3 or (non adj fir\$3) near (orifice or nozzle or ejector)) 9 ("4774530" "4929324" "4963882" "5057852" "5072235" "5192959" "5192959" "5198054" "5430469").PN.	1	000	and ((malperform\$3 or error\$1 or malfinetion\$3	USPAT	2004/02/12 10:29
(orifice or nozzle or ejector)) 9 ("4774530" "4929324" "4963882" "5057852" "5072235" "5192929" "5192959" "5198054" "5430469").PN.			3 or judg\$5 or clog\$4 or (non-discharg\$3) or non-fir\$3 or nonfir\$3	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	05:01 71 /00 /5007
9 ("4774530" "4929324" "4963882" "5057852" "5072235" "5192929" "5192959" "5198054" "5430469").PN. 24 5581284.URPN.			nozzle or ejector))		
24 5581284.URPN.	1	ത	"4929324" "4963882" "5057852" "5072235" "5198054" "5430469").PN.	USPAT	2004/02/13 08:28
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			EPO; JPO;	
			DERWENT;	
ı	S	("4528576" "4631543"	IBM TDB	
ı	90	- 4	USPAT	2004/02/13 09:25
ı	90		USPAT	2004/02/13 09:25
1	4	("4498088" "5359355" "5675365" "670641011 T.	USPAT	2004/02/13 09:28
1	2	6203140.URPN.	USPAT	2004/02/13 11:36
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ı	2		USPAT	2004/02/13 11:38
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			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	-